



Modular Object-Oriented Dynamic Learning Environment

What is moodle?

Answer: Moodle is an open source software program used for creating Internet-based courses and Web sites (<http://moodle.org/>).

Some frequently asked questions by other teachers:


1. *Can moodle administer and grade quizzes/tests?*

Answer: YES! You can create quizzes/tests that contain both objective and subjective questions. Anything that is objective, (T/F, MC, Matching, etc.) can all be graded by moodle instantly when a student submits his/her work. It can even grade fill in the blank questions if you want to enforce the use of proper spelling and grammar. Questions requiring multi-word responses will likely need to be assessed by the teacher.

2. *How can students use it to submit work?*

Answer: There are a variety of ways students can use moodle to submit work. What/How they submit work largely depends on the teacher's assignment(s). Two common examples have been provided.

Example #1 - Students can submit online objective assignments.

6 

Marks: 2

Two aliens land on Earth's moon. As the two aliens leave their spacecraft for the moon's surface, one says to the other, "This place is boring. There is nothing here but rocks. Do you want to leave?" The other alien does not respond to the question, however. {Yes, I know...It's amazing these aliens speak English.}

Which of the following statements correctly identifies why the second alien did not respond when asked if it wanted to leave?

Choose one answer.


☐ There is no plausible explanation because I wasn't there to witness the event.

☐ The second alien did not hear the first because sound does not exist on the moon's surface.

☐ The first alien most likely didn't speak loud enough for the first to hear it.

☐ The second alien was most likely distracted as it was looking at Earth only 265,000 miles away.

☐ The second alien doesn't speak English therefore couldn't understand the question.



Example #2 – Students can submit online essays.

The sound seems louder in some places because of constructive interference. However, the sound is faint and even seemingly nonexistent in some areas due to destructive interference. Destructive interference is when a crest and trough of a sound wave meet at the same place at the same time, canceling each other out, which creates a smaller amplitude.

[Edit my submission](#)

Feedback from the Teacher

Brandon Goodwin
Monday, 17 May 2010, 09:33 AM

Grade: 13.00 / 15.00

The sound seems louder in some places because of constructive interference. However, the sound is faint and even seemingly nonexistent in some areas due to destructive interference. Destructive interference is when a ~~crest~~ and ~~trough~~ of a sound wave meet at the same place at the same time, canceling each other out, which creates a smaller amplitude.

Right idea, but wrong type of wave. What type of wave is sound? What part of the wave from each speaker interferes? Sound waves do not have crests and troughs.

The diagram below shows a variety of activities from which teachers can choose.

Unit 5 Test → [Icons]

4 Unit 4 - Energy

Indiana Dept. of Education Standards:

CP.1.15 - Understand and explain that whenever the amount of energy in one place or form diminishes, the amount in other places or forms increases by the same amount.

CP.1.17 - Know and explain that transformations of energy usually transform some energy into the form of heat, which dis...

Add an activity...
Add an activity...
Assignments
Advanced uploading of files
Online text
Upload a single file
Offline activity
Chat
Choice
Database
Forum
Glossary
Hot Potatoes Quiz
Lesson
Quiz
SCORM/AICC
Survey
Wiki

Students may also upload files provided the size does not exceed 2MB.

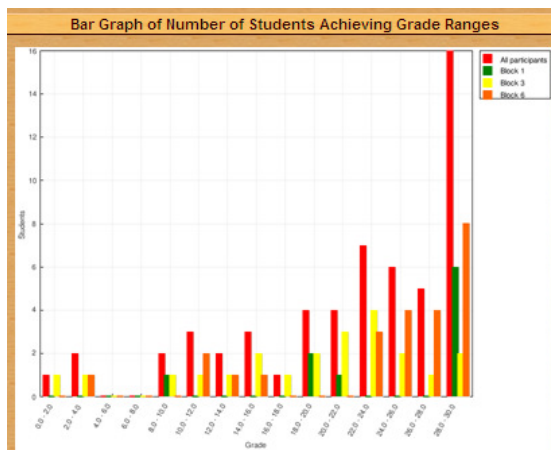
3. How can I incorporate moodle into my class and help it motivate students to learn

Answer: (A) From my personal experience using moodle, I believe you can incorporate it anyway you want. You are limited only by your own creativity! Here is a brief list of how my students used moodle:

- Access to video/audio files
- Access to interactive tutorials, simulations, and drill/practice assignments
- Access an electronic discussion board
- Access to an online chat room
- Access to PowerPoint notes

Answer: (B) Motivating students to learn can be rather challenging. I would never suggest that moodle will motivate students to learn. My experience has shown that using moodle allows students an opportunity to learn in a variety of ways addressing multiple learning styles. For example, student #1 chooses to investigate the topic of Newton's second law of motion by viewing diagrams and reading an online textbook. Student #2, seated next to student #1, has a vastly different learning style and chooses to view a few short film clips and animations. "Maybe" providing this opportunity for differentiated instruction helps motivate students to learn and investigate topics because they are choosing how to engage the material.

Finally, as we continue implementing common assessments, I would encourage you to look at potentially using moodle. This software can provide a lot of feedback on individual and group performance as well as item analysis for each assignment.



		First name / Surname	Started on	Completed	Time taken	Grade/30	#1	#2	#3	#4	#5
<input type="checkbox"/>		Julie	8 April 2010, 10:58 AM	8 April 2010, 11:19 AM	20 mins 47 secs	29	1/1	1/1	1/1	1/1	1/1
<input type="checkbox"/>		Jessica	8 April 2010, 09:59 AM	8 April 2010, 10:33 AM	34 mins 47 secs	25	1/1	1/1	1/1	1/1	1/1
<input type="checkbox"/>		Abi	8 April 2010, 10:10 AM	8 April 2010, 10:28 AM	18 mins 15 secs	26	1/1	1/1	1/1	1/1	1/1

Item Analysis Table ⑦									
Q#	Question text	Answer's text	partial credit	R. Counts	R.%	% Correct Facility	SD	Disc. Index	Disc. Coeff.
(367)	The energy stored in foods and fuels (such as gasoline) is _____ potential energy. : The energy stored in foods and fuels (such as gasoline) is _____ potential energy.	chemical	(1.00)	42/52	(81%)	81%	0.398	0.83	0.48
		Chemical	(0.00)	1/52	(2%)				
		calorimetry	(0.00)	1/52	(2%)				
		gravitational	(0.00)	5/52	(10%)				
		Chemical energy	(0.00)	1/52	(2%)				

If you are interested, feel free to log into my ICP-Physics moodle course and view the setup. You will only be able to see it from a “Guest’s” view which means you *cannot* participate in any activities or assignments, but at least you’ll get a sense of how I have the course designed.

To access ICP-Physics as a “Guest” open the following site:

<http://moodle.bgcs.k12.in.us/>

Click “Beech Grove High School”.

Click “ICP-Physics”.

Click the grey button “Login as a guest”.

Roam around clicking/viewing anything you want. You can’t mess it up! ☺

Please feel free to contact me questions if you have them!

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